

Reviewer Report

Title: Bionitio: demonstrating and facilitating best practices for bioinformatics command-line software

Version: Revision 1 **Date:** 7/27/2019

Reviewer name: Gregory Kiar

Reviewer Comments to Author:

I would like to thank the authors for this updated version of their manuscript. I believe the updated version is much improved, and only have one remaining comment. The authors acknowledged in their response that Boutiques, CWL, and the FAIR principles are relevant and have updated their manuscript to address or mention these. I believe that the findability component of FAIR was not particularly covered in these updates, and in particular the persistence of records. A key reason for the mention of Boutiques is that the standard and tooling around it explicitly address this by publishing persistent metadata records of the tools, and provide an accessible way to search for them, which neither CWL or Bionitio in its current form provides. I was surprised to see no mention of Boutiques in this regard. I would be curious to hear the authors' justification for this notable exclusion or if they would update their manuscript to correct this oversight.

Level of Interest

Please indicate how interesting you found the manuscript: Choose an item.

Quality of Written English

Please indicate the quality of language in the manuscript: Choose an item.

Declaration of Competing Interests

Please complete a declaration of competing interests, considering the following questions:

- Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
- Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
- Do you hold or are you currently applying for any patents relating to the content of the manuscript?
- Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?
- Do you have any other financial competing interests?
- Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (<http://creativecommons.org/licenses/by/4.0/>). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

Choose an item.

To further support our reviewers, we have joined with Publons, where you can gain additional credit to further highlight your hard work (see: <https://publons.com/journal/530/gigascience>). On publication of this paper, your review will be automatically added to Publons, you can then choose whether or not to claim your Publons credit. I understand this statement.

Yes Choose an item.